

PROCEEDINGS OF THE ROYAL ENTOMOLOGICAL SOCIETY OF LONDON

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ORDINARY MEETING

WEDNESDAY, 2ND APRIL, 1952, at 5.30 p.m.

AGENDA

1. Confirmation of the Proceedings of the Ordinary Meeting held on 5th March, 1952.
2. Recommendations of candidates for Fellowship.
3. Announcement of election of new Fellows.
4. Additions to the Library. [See page 14.]
5. Admission of Fellows.

Any Fellow who has not been formally admitted to the Society under Chapter XIV, Section 4 of the Bye-laws and attends the meeting on 2nd April, 1952, is requested to inform the Secretary before 5.15 p.m. on that date.

6. Exhibits.

Fellows are particularly requested to bring suitable exhibits to the Meeting even though it may not be possible to announce their intention to do so beforehand.

Note.—To avoid congestion in the Library and to enable exhibits to be displayed to greater advantage, a table has been placed in the meeting-room for this purpose. Fellows are asked to place their exhibits on this table, with a suitable explanatory note, as soon as possible on the afternoon of the meeting, so that they are available for inspection there before the meeting opens.

7. Communications.

1. Dr. D. S. Bertram.

Onchocerciasis and *Simulium* in Africa.

[ABSTRACT.]

Onchocerciasis is one of several filarial infections affecting Man in Africa. In severe cases total blindness may result. As long ago as 1926 it was established that the helminth parasite causing the disease was transmitted from man to man by *Simulium damnosum*. This blood-sucking fly occurs in its immature stages in the turbulent, fast-flowing waters of streams and major rivers, including large rivers like the Nile and Congo. The larvae and pupae occur attached to rocks, stones, and vegetation stems submerged beneath the fast-flowing water. In the case of onchocerciasis in hilly regions of Kenya, near Lake Victoria, the vector was found to be *S. neavi*, and not *S. damnosum*. This was demonstrated conclusively in 1940. *S. neavi* had been known as an adult female since 1911, but larvae and pupae had never been discovered. Between 1940 and 1950 several competent workers had tried to find these larvae and pupae in the hill streams, but without success. Finally, in March, 1950, the larvae and pupae of *S. neavi* were found not attached to fixed objects but to crabs living in these streams. This discovery was due to the work of Mr. J. P. MacMahon, of the Division of Insect Borne Diseases, Kenya, who has done much of the arduous field work required in the study and control of onchocerciasis in Kenya.

The paper will be illustrated by a film taken by Dr. Bertram in Kenya and Uganda.

2. Mr. W. D. Hincks.

Fairy Flies (Hymenoptera, Mymaridae).

A short talk of a general nature, illustrated by lantern slides.

TEA will be served in the Library before the meeting.

Serial Publications in the Library of the Royal Entomological Society of London.

A list of the serial publications in the Society's Library, with the titles abbreviated in accordance with the *World List of Scientific Periodicals*, has now been prepared. Copies may be obtained in the Society's office, price (to Fellows) 3s. 9d.

PROCEEDINGS OF THE ORDINARY MEETING HELD ON 5TH MARCH, 1952.

Mr. N. D. RILEY, C.B.E., President, in the Chair.

Present 68 Fellows and 13 Visitors.

The President said that in accordance with the instruction of Council, and as approved at the last meeting, Humble Addresses of Condolence were duly prepared and submitted to Her Majesty Queen Elizabeth II and Her Majesty Queen Elizabeth, the Queen Mother. The text of the Addresses was printed in *Proceedings Series C*, Volume 17, pages 7-8, recently circulated to Fellows. The President then read a letter of acknowledgment which had been received from the Private Secretary to Her Majesty, Queen Elizabeth, the Queen Mother.

Before proceeding the President said that there was one omission from the minutes of the last meeting as circulated to Fellows (*Proceedings (C)* 17: 8-9). At the last meeting of Council Professor J. C. Faure, of Pretoria, South Africa,

was elected an Honorary Fellow and this was duly announced at the Ordinary Meeting on 6th February. It was noticed too late that, under the Bye-Laws, Professor Faure was eligible for election as a Special Life Fellow and not as an Honorary Fellow, as no British subject can become an Honorary Fellow. The Secretary had written to Professor Faure expressing apologies and explaining the situation. Council had to-day discussed the matter and recommended that the Bye-Laws should be amended at a suitable opportunity to make it possible for a British Subject to become an Honorary Fellow.

The minutes of this meeting as circulated were then confirmed and signed by the President.

The names of the following candidates for election were read for the first time: Mr. Gordon Roy Evans; Mr. James Green, B.Sc.; Mr. Francis Vivian Lincoln Jarvis, B.Sc.; Mr. Basil Anthony Jones, B.Sc.; Mr. John Leslie Messenger; and Mr. James Gordon Pendergrast, M.Sc.

For the second time (taken as read): Mr. Mansur Ahmed, B.Sc.; Mr. Gerald Gilbert Cavanagh; Mr. Thomas Henry Coaker; Mr. Ronald Dennis Eady; Mr. Victor Frank Eastop, B.Sc.; Dr. Mario Giaquinto-Mira; Mr. Nigel G. M. Hague; Mr. G. A. Haswell; Mr. Harold Inglesent; Miss Astrid Lóken; Mr. Stanley Arthur Manning; Mr. Thomas Jackson Mortimer; Mr. Bernard A. Pinder; Mr. William Jeffrey Sanders; Mr. Dayal Saran Srivastava, M.Sc.; and Mr. Brian Roy Stuckenberg, B.Sc.

The Secretary read the names of the following newly elected Fellows of the Society: Mr. Antonio Jorge da Silva Barbosa, Centro de Investigação Científica Algodoeira, Caixa Postal No. 1073, Lourenço Marques, P.E.A.; Mr. Dermot Bevan, B.Sc., Hereford Cottage, Upper Hale Road, Farnham, Surrey; Mr. A. N. Burns, National Museum of Victoria, Russell street, Melbourne, C.I., Australia; Miss Janet Mary Chamberlain, Manor House, Desborough, near Kettering, Northants.; Mr. Horace Gregson, Cleasby Road, Menston-in-Wharfedale, near Leeds, Yorks.; Mr. David Guthrie, 6, Mall Studios, Parkhill Road, Hampstead, London, N.W.3; Mr. James Gray Halcrow, B.Sc., 18, Gordon Street, Keighley, Yorks.; Mr. Edward Tremayne Hamlyn, 8, Kingsley Road, Mutley, Plymouth, Devon; Mr. Michael Gerrans Ridpath, Tynings, Cobden Hill, Radlett, Herts.; Mr. Herbert Marshall Russell, c/o 58, Blackman Lane, Woodhouse Lane, Leeds, 7; Mr. Stanley Shaw, 69, Ashford Road, Withington, Manchester, 20; Mr. Bhagawati Prasād Singh, Rothamsted Experimental Station, Harpenden, Herts.; Mr. L. A. Tillin, Desert Locust Control (Yemen), c/o The Secretariat, Aden; Mr. Arthur Worth, 33, Coburg Road, Dorchester, Dorset.

Thanks were voted to donors of gifts to the Library since the last meeting.

Mr. M. Bibikoff, Miss B. Bradford, Mr. A. M. Cunningham and Mr. W. O. Steel signed the Obligation Book and were admitted Fellows of the Society.

Mr. P. B. Carne (a visitor) of the Division of Entomology, C.S.I.R.O., Canberra, gave a paper, illustrated by photographs and diagrams, on the Australian pasture scarab, *Aphodius howitti* Hope, an abstract of which appeared on page 6. Dr. B. M. Hobby, Dr. V. B. Wigglesworth, Mr. C. N. Hawkins, Dr. F. van Emden and Mr. P. F. Mattingly took part in the subsequent discussion.

Mr. F. J. Manning gave a talk on some interesting fossil insects, an abstract of which appeared on page 6, which was illustrated by lantern slides and a series of exhibits. A brief discussion followed in which Professor G. C. Varley and Dr. John Smart took part.

E. B. BRITTON, *Honorary Secretary.*

The next meeting will be held on 7th May, 1952.

ADDITIONS TO THE LIBRARY.

Presented.

- Bodenheimer, F. S., and Theodor, O. *Ergebnisse der Sinai-Expedition 1927 der hebräischen Universität, Jerusalem*. 8vo. Leipzig. 1929. [Professor P. A. Buxton, C.M.G., F.R.S.]
- Crowther, Henry. *Label list of British lepidoptera*. 8vo. London. n.d. [Mr. E. W. Classey.]
- Fattig, P. W. The ELATERIDAE or click beetles of Georgia. *Emory Univ. Mus. Bull.* 10: pp. 25, 1951. [The Author.]
- Ferris, G. F., and Stojanovich, Chester J. *The sucking lice*. 8vo. San Francisco. 1951. [Memoir of the Pacific Coast Entomological Society no. 1.] [The Pacific Coast Entomological Society.]
- Hopkins, G. H. E. *Mosquitoes of the Ethiopian region. I. Larval bionomics of mosquitoes and taxonomy of Culicine larvae. 2nd edn., with notes and addenda by P. F. Mattingly*. 8vo. London. 1952. [The Trustees of the British Museum.]
- [Medvedev, S. I. *Coleoptera, Vol. X, part 1. Lamellicornia (SCARABAEIDAE). Subfamily MELOLONTHINAE (Cockchafers)*.] 8vo. [Moscow and Leningrad.] 1951. [Fauna of U.S.S.R. (N.S.) 46.] [Academy of Sciences of U.S.S.R., by exchange.] In Russian throughout.
- Richards, A. Glenn. *The integument of arthropods. The chemical components and their properties, the anatomy and development, and the permeability*. 8vo. Minneapolis and London. 1951. [The Publisher.]
- Thomson, R. C. Muirhead. *Mosquito behaviour in relation to malaria transmission and control in the Tropics*. 8vo. London. 1951. [The Publishers.]

Purchased.

- Janse, A. J. T. *The moths of South Africa*. Vol. V, part 3. GELECHIADAE. Plates 89-136. 8vo. Pretoria. 1951. (Text received in September last.)

In addition, separates were presented by Dr. B. P. Beirne; Mr. K. G. V. Smith; Mr. S. Rajendram and Dr. S. H. Jayewickreme; Dr. E. A. Cockayne; Professor P. A. Buxton, C.M.G., F.R.S.; The Librarian, Pest Control, Limited; Mr. W. H. Lumsden; Companhia de Diamantes de Angola; Mr. A. C. Harrison; Dr. H. H. J. Nesbitt; and The Hon. Miriam Rothschild.